ELSEVIER

Colloids and Surfaces
A: Physicochemical and Engineering Aspects 161 (1999) 513–514

COLLOIDS AND SURFACES A

www.elsevier.nl/locate/colsurfa

# Contents of Volume 161

*Vol. 161 No. 1*

In memory of Professor Hans-Jörg Jacobasch . . . . . 1
Wetting and dewetting of structured and imprinted surfaces
R. Lipowsky, P. Lenz and P.S. Swain (Golm, Germany) . . . . . 3
The line adsorption equation: the one-dimensional counterpart of the Gibbs adsorption equation
P. Chen (Waterloo, Canada) . . . . . 23
Contact angle interpretation in terms of solid surface tension
D.Y. Kwok (Cambridge, MA, USA) and A.W. Neumann (Toronto, Canada) . . . . . 31
Contact angle interpretation: re-evaluation of existing contact angle data
D.Y. Kwok (Cambridge, MA, USA) and A.W. Neumann (Toronto, Canada) . . . . . 49
Implementation and examination of a new drop shape analysis algorithm to measure contact angle and surface tension from the diameters of two sessile drops
A. Amirfazli (Toronto, Canada), J. Graham-Eagle, S. Pennell (Lowell, MA, USA) and A.W. Neumann (Toronto, Canada) . . . . . 63
Solvatochromism as an alternative for contact angle measurements in the characterisation of modified polymer surfaces
D.P. Borger and G. Frens (Delft, The Netherlands) . . . . . 75
Effect of dynamic contact angle on capillary rise phenomena
A. Siebold, M. Nardin, J. Schultz (Mulhouse, France), A. Walliser and M. Oppliger (Zurich, Switzerland) . . . . . 81
Liquid transport in rectangular microchannels by electroosmotic pumping
S. Arulanandam and D. Li (Edmonton, Canada) . . . . . 89
Streaming potentials and conductivities of latex plugs. Influence of the valency of the counterion
M. Löbbus (Jena, Germany), H.P. van Leeuwen and J. Lyklema (Wageningen, The Netherlands) . . . . . 103
Streptavidin arrays as supramolecular architectures in surface-plasmon optical sensor formats
W. Knoll, M. Zizlsperger, T. Liebermann, S. Arnold, A. Badia, M. Liley, D. Piscevic, F.-J. Schmitt and J. Spinke (Mainz, Germany) . . . . . 115
The influence of the binding of low molecular weight surfactants on the thermal stability and secondary structure of IgG
A.W.P. Vermeer and W. Norde (Wageningen, The Netherlands) . . . . . 139
Adsorption characteristics of mixed monolayers of a globular protein and a non-ionic surfactant
R. Miller (Berlin-Adlershof, Germany), V.B. Fainerman (Donetsk, Ukraine), A.V. Makievski (Berlin-Adlershof, Germany), J. Krägel (Donetsk, Ukraine) and R. Wüstneck (Potsdam, Germany) . . . . . 151
Coexistence of phases in monolayers of branched-chain phospholipids investigated by scanning force microscopy
S. Leporatti, G. Brezesinski and H. Möhwald (Berlin, Germany) . . . . . 159
Coadsorption of sodium dodecyl sulfate and medium-chain alcohols at the air-water interface
D. Vollhardt and G. Emrich (Potsdam, Germany) . . . . . 173
Deposition characteristics of ureido silane ethanol solutions onto E-glass fibres
H. Watson, P.J. Mikkola (Åbo, Finland), J.G. Matisons (Adelaide, Australia) and J.B. Rosenholm (Åbo, Finland) . . 183
Changes in the interaction characteristics of polyelectrolyte complex covered silica surfaces
K. Estel, G. Kramer and F.-J. Schmitt (Dresden, Germany) . . . . . 193
Self-assembled monolayers prepared from ω-thiophene-functionalized *n*-alkyltrichlorosilane on silicon substrates
D. Appelhans, D. Ferse, H.-J.P. Adler, W. Plieth, A. Fikus, K. Grundke, F.-J. Schmitt, T. Bayer and B. Adolphi (Dresden, Germany) . . . . . 203
Transesterification, morphology and some mechanical properties of thermotropic liquid crystal polymers/polycarbonate blends
G. Tovar, P.J. Carreau and H.P. Schreiber (Montreal, QC, Canada) . . . . . 213

*Calendar* . . . . . 225

*Vol. 161 No. 2*

Preface . . . . . 229
Osmotic pressure measurements on strongly interacting polymer colloid dispersions
R.H. Ottewill, A. Parentich and R.A. Richardson (Bristol, UK) . . . . . 231
Interaction of binders with dispersant stabilised alumina suspensions
A.U. Khan, B.J. Briscoe and P.F. Luckham (London, UK) . . . . . 243
Suspension polymerisation to form polymer beads
P.J. Dowding and B. Vincent (Bristol, UK) . . . . . 259
Distinguishing between dynamic yielding and wall slip in a weakly flocculated colloidal dispersion
W.B. Russel and M.C. Grant (Princeton, NJ, USA) . . . . . 271
Rheology of polystyrene latexes with adsorbed and free gelatin
J.H.E. Hone, A.M. Howe (Harrow, UK) and T.H. Whitesides (Rochester, NY, USA) . . . . . 283
The displacement of adsorbed polymer from silica surfaces by the addition of a nonionic surfactant
I. Rachas (Richmond, CA, USA), Th.F. Tadros and P. Taylor (Bracknell, UK). . . . . 307
Viscoelastic properties of microlatex dispersions
N. Girard, Th.F. Tadros (Bracknell, UK) and A.I. Bailey (London, UK) . . . . . 321
Extensional viscosity of aqueous solutions of SDS and PVP measured on the rheometrics RFX
J.R. Eastman, J.W. Goodwin (Bristol, UK) and A.M. Howe (Harrow, UK) . . . . . 329
The phase separation behaviour and the viscoelastic properties of particles with non-adsorbing polymers: Part I — Experimental study
J.W. Goodwin, R.W. Hughes, H.M. Kwaambwa and P.A. Reynolds (Bristol, UK) . . . . . 339
The phase separation behaviour and the viscoelastic properties of particles with non-adsorbing polymers: Part II — Theoretical study
J.W. Goodwin, R.W. Hughes, H.M. Kwaambwa and P.A. Reynolds (Bristol, UK) . . . . . 361

Calendar . . . . . 377

*Vol. 161 No. 3*

Effects of [$C_6H_5COONa$] on rates of intramolecular general base-catalyzed piperidinolysis and *n*-butylaminolysis of ionized phenyl salicylate in the presence of cationic micelles
M.N. Khan, Z. Arifin, E. Ismail and S.F.M. Ali (Kuala Lumpur, Malaysia). . . . . 381
Influence of sodium dodecyl sulfate on the physicochemical properties of whey protein-stabilized emulsions
K. Demetriades and D. Julian McClements (Amherst, MA, USA). . . . . 391
Surface energetics of calcium carbonates using inverse gas chromatography
D. Steven Keller and P. Luner (NY, USA) . . . . . 401
Electric birefringence of AOT/water solutions
E. Acosta, M. Bisceglia and J.C. Fernandez (Buenos Aires, Argentina) . . . . . 417
An experimental study of the stability of $TiO_2$ particles in organic–water mixtures
J.-P. Hsu and Y.-T. Chang (Taiwan, ROC) . . . . . 423
Surface to bulk characterization of phosphate modified aluminas
G.A.H. Mekhemer, A.K.H. Nohman, N.E. Fouad and H.A. Khalaf (El-Minia, Egypt). . . . . 439
A flotation related X-ray photoelectron spectroscopy study of the oxidation of galena surface
P. Nowak (Krakow, Poland), K. Laajalehto and I. Kartio (Turku, Finland) . . . . . 447
Kinetics and mechanism of biphasic transfer of salted water from an aqueous phase to AOT reverse micelles
C. Caillet, M. Hebrant and C. Tondre (Nancy-Vandoeuvre, France) . . . . . 461
Electroosmotic flow through porous media: cylindrical and annular models
R. Chang Wu and K.D. Papadopoulos (New Orleans, LA, USA) . . . . . 469
Adsorption of chain molecules into a thin film structure and solvation interaction versus molecular flexibility
Y. Duda, F.L. Ochoa and A. Trokhymchuk (Coyoacán, Mexico) . . . . . 477
The preparation and characterization of amphiphilic core/shell particles
H. Li, J. Zhao (Beijing, People's Republic of China) and E. Ruckenstein (Buffalo, NY, USA) . . . . . 489
Electrokinetic properties of spontaneously precipitated calcium carbonate polymorphs: the influence of organic substances
N. Vdović and D. Kralj (Zagreb, Croatia). . . . . 499

*Calendar* . . . . . 507
*Author Index* . . . . . 509
*Subject Index*. . . . . 511
*Contents of Volume 161*. . . . . 513